

QY 128 tttgacatgacatgttgcttaattgtcaaggtcatttagaagatcatagttagagc 187
 Db 106 ACTGATGACAGCCCTGGCTCAGCATGGGGAGGCGCTTCCGGAGCTCATGCGCAGAGC 165
 QY 188 catgaggtacaagatgtactcaactcaagccttcgttaattgactacagaagcctct 247
 Db 166 CACGAGGGGGTGTCTCACCAGAGGTGAATGTGACATCAAGAGAGAAATTTTTC 225
 QY 248 gcatgaatttgaggtgtgtccatgtccacagagacagaagaagaagaataattt 307
 Db 226 ACCGTGAGAGCGCTTGTGCTTCCATGACCCAGAA-----GGAAATTTGATGCGGTACG 279
 QY 308 gttgaactgctgaatgttctgtccaggtctatcaacctgcaatcaatgataaatta 367
 Db 280 CTGGGCTACACTCAAGGCTTCTTGAACACAGACATCTTGAAGAGATATTCTAGAAAGT 339
 QY 368 atgattttttgttgaataaagaagaactttaaatagtgtgagagcttatctac 427
 Db 340 ATGGCAATTATGAACAATGTATCTTTGGCCCTTCTATAGGTGTGTGGAGCTACTGCAT 399
 QY 428 aatcagaagcttatgaagaagctacagaacaacacagatgataatgcttagacct 487
 Db 400 AATGAGGCCCTGATCAGCACCCTCAATGCTACTCTTTGATGTGGTTTAAACAGACCC 459
 QY 488 gtgattccctgtgagagacctgtagtgcgtgtgtgtgtgtgtgtgtgtgtgtgtgt 547
 Db 460 GTTAAACCTGTGGGGGGGGTGTGGCTAGTACTGCTGATCTCTGCTGTGTGT---TTTT 516
 QY 548 agaattctgtgagagacataigagcgaagcgtgtggaacttcaagctcaacttcc 607
 Db 517 TGGAGGTACATTCATGCTATGCTTAAAGGACACAGCTGCTCAAAATCTTCTCTCC 576
 QY 608 tatgtacctgtgctatgacaggaactaacagagaatgacacttctgaaagaatgaaa 667
 Db 577 TATATCTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACT 636
 QY 668 aattcaatgcttcaagttgtgttccacttctgtatcaagaatcaagactcaactt 727
 Db 637 AAC---ATGCTCTACCTCTGTGGCCCTGTCTCAATTTGCCATCTTTTTCGCCCTTAT 693
 QY 728 gaagagtttatagtaagagcattagagaagccactacatcatgtgagagctgtgga 787
 Db 694 GCAAGTCTTCTGCTGTGCTTTTCAAGAGAGAGTGTGATGTGTGTGTGTGTGTGTGT 753
 QY 788 gctgaatagaggtacataagaacatttggatttgaatttcccaaccataccaact 847
 Db 754 GCATCCGT 813
 QY 848 aacttgagttgtgagagatgacactttaaaccctgcaagccttgccttaaggaatg 907
 Db 814 AACATGCTCTTCAATTTGGGGCATCAACCTGTGCACACGGAGGCACTATCTCGGAATTT 873
 QY 908 gaaatttgtccagaagttcaggggaagatgtgtgtgtgtgtgtgtgtgtgtgtgtgt 967
 Db 874 GAAGCTTACATTAATCTTCTGTGGAACATGGAATGTGTGTGTGTGTGTGTGTGTGT 933
 QY 968 ttccaagaatgtaacgaagaagaagctatcatcattgttccagcccttgcagatccca 1027
 Db 934 GTCTCGAATATTCAGAGAAAGAACTATGGAATGTGTGTGTGTGTGTGTGTGTGTGT 993
 QY 1028 cagaaggtgtttagaggtacagaagaagaagaacacatccacttagagcgaactctg 1087
 Db 994 CAGACAGTCTGTGGGGTACACTGGAACCCGACCATGCAATCTTCCGACAAACAGATA 1053
 QY 1088 cgtatgattgtatcccaagaatgtcttctgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1147
 Db 1054 CTTGTAACTGTGCTACCCCAAAACGATGCTTGTGTGTGTGTGTGTGTGTGTGTGTGT 1113
 QY 1148 actcatgtgtgagatgaatgagatcatgaagctatttaccatgaggtgtccctatgtgtga 1207
 Db 1114 ACCCATGCTGT 1173

QY 1208 gtcccatattgtgtgacatgacatgataacatagctcaatgaaagcgaagc 1267
 Db 1174 ATGCCCTTTGT 1233
 QY 1268 gtagaataaacttcaaacatgacaagcgaagatatttaccagaggtttagaacagtc 1327
 Db 1224 GTGACCCGTGAATGT 1293
 QY 1328 ataccgatttcccttataaagaagatgtcatalgatatcaagaatcaccatgataa 1387
 Db 1294 ATCAATGACAAAGTTCAAGAGAAACATCAGCGCGCTTCCACCTTCAACAGAGCCG 1353
 QY 1388 ccttlaaagcccccaagatgacagcttcttctgtgtgtgtgtgtgtgtgtgtgtgtgt 1447
 Db 1354 CCGGTGAGCCGCTGTGACCTGTGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1413
 QY 1448 gccaaagacatgcatgacatgacatgacatgacatgacatgacatgacatgacatgac 1507
 Db 1414 GCGCCACACCTGGCGCCCGGACGACGACGACGACGACGACGACGACGACGACGACGAC 1473
 QY 1508 gtgattgttctgt 1567
 Db 1474 GTGATTGT 1533
 QY 1568 ttatttccgtcaaaaat 1586
 Db 1534 GCTTATGCTACCGGAAT 1552

RESULT 2
 PCT-US92-00282-1
 ; Sequence 1, Application PC/TUS9200282
 ; GENERAL INFORMATION:
 ; APPLICANT: OWENS, IDA S.
 ; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
 ; NUMBER OF SEQUENCES: 40
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
 ; STREET: 1615 L STREET, N.W.
 ; CITY: WASHINGTON
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20036-5601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US92/00282
 ; FILING DATE: 19920110
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: SCOTT, WATSON T.
 ; REGISTRATION NUMBER: 26581
 ; REFERENCE/DOCKET NUMBER: 91532-PCT
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-861-3000
 ; TELEFAX: 202-822-0944
 ; TELEX: 6714627 CUSH
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2336 base pairs
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; PCT-US92-00282-1

Query Match 11.6%; Score 319.8; DB 5; Length 2336;

Query Match 3.5%; Score 97.4; DB 5; Length 1561;
Best Local Similarity 70.1%; Pred. No. 4, 2e-14;
Matches 131; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

QY 1342 tataaagaagatgctatgataagattcaagaattcaccaatgataaccgttaagccct 1401
DB 271 TTACAAGAGAACATCATCGCTCCAGCCTTCACAAGAGACCGCCGCTGAGCGCCT 330
QY 1402 agatcagcagctctctgctgctgctgctgctgctgctgctgctgctgctgctgct 1461
DB 331 GGACCTGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 390
QY 1462 atcagctcccatgac 1521
DB 391 CCCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCC 450
QY 1522 gctgacc 1528
DB 451 CTTGGCC 457

RESULT 4

PCT-US92-00282-22
Sequence 22, Application PC/TUS9200282
GENERAL INFORMATION:
APPLICANT: OWENS, IDA S.
TITLE OF INVENTION: THE GENETIC LOCUS UG11 AND A MUTATION
NUMBER OF INVENTION: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
STREET: 1615 L STREET, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/00282
FILING DATE: 19920110
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, WATSON T.
REGISTRATION NUMBER: 26581
REFERENCE/DOCKET NUMBER: 91532-PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 783 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PCT-US92-00282-22

Query Match 3.0%; Score 83.8; DB 5; Length 783;
Best Local Similarity 61.9%; Pred. No. 5, 3e-11;
Matches 133; Conservative 0; Mismatches 82; Indels 0; Gaps 0;

QY 1121 ggtcatcccaaaacaaacatttatacactatggtggaatgataagctatgaagct 1180
DB 471 GGTCAACCGGATGACCGGCTTTATCAACCATGCTGCTCCCATGCTGTTATATGAAGC 530

QY 1181 attaccatgggggtccctatggtggtggtggtggtggtggtggtggtggtggtggt 1240
DB 531 ATATGCAATGGCGCTTCCCATGCTGATGATGATGATGATGATGATGATGATGATGCA 590
QY 1241 gctcatatgaagccaaagagcagctgtagaataaactcaaaactatgacagcgaa 1300
DB 591 AAGCGATGGAACAAAGGAGCTGAGTGACCTGAAATGTTCTGGAATGACTTCTGAA 650
QY 1301 gattactgaaggtctttagaagcagctcattaccga 1335
DB 651 GATTAGAAATAGCTCTAAAGCACTCATCAATGA 685

RESULT 5

PCT-US92-00282-10
Sequence 10, Application PC/TUS9200282
GENERAL INFORMATION:
APPLICANT: OWENS, IDA S.
TITLE OF INVENTION: THE GENETIC LOCUS UG11 AND A MUTATION
NUMBER OF INVENTION: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
STREET: 1615 L STREET, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/00282
FILING DATE: 19920110
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, WATSON T.
REGISTRATION NUMBER: 26581
REFERENCE/DOCKET NUMBER: 91532-PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1008 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PCT-US92-00282-10

Query Match 2.6%; Score 72.2; DB 5; Length 1008;
Best Local Similarity 45.5%; Pred. No. 3, 3e-08;
Matches 380; Conservative 0; Mismatches 443; Indels 12; Gaps 3;

QY 68 ctgctccctgcaagctcttcctgctgctgctgctgctgctgctgctgctgctgctgct 127
DB 157 CTGCTGCTTCTCTCTCAAGTCCAGCCCTGCTGAGAGTGAGAGTGCTGCTGCTGCC 216
QY 138 tglgacatgaagcattggtcctaagtcaaggtcattctagaagaagctatagtgagagc 187
DB 217 ACTGATGCAAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 276
QY 188 catgaggttaacagctatgactcaacagccttctgtaattgactacaggaagcctct 247
DB 277 CACCAAGGTGCTGCTCACCCTGAGGTGAATATGTACATCAAGAAGAGAACTTTTC 336
QY 248 gcatgaatttggtggttcataatgccaagagacagaagaagaataatgaaatatt 307

Db 337 ACCGTGCAACGATGCGATTCATGAGCCAGAGC-----GATTTGATTCGGCTTTTG 390
QY 308 gtgacctgacctgtaatgcttcgagcagcttcaaccctgcaatcagttataaatta 367
Db 391 CTGGGTCACACTAATGCTTCTTTGAAACAGAACATCTTCGTGATGAATTTTCTAGAGA 450
QY 368 aatgattttttgttgaataaagagactttaaattgtgtgtgagacttattac 427
Db 451 ATGCAATTTATGACATATATGCTTTCATCATATAGCTTGCTGTGAGCTACTCAT 510
QY 428 aacagacgcttataagaagaacagcaagaaccaactacagatgaagctatagacct 487
Db 511 AATGAGGCCCTGATACAGACCTGCAATGCTACTTCTTATGATGGTTCACAGAGCCCC 570
QY 488 gtgattccctgtgagagacctgtagctgtagtgccttgacgtccctttgtgtcacct 547
Db 571 TTTACCTCTGCGCGGGGTGGCTAAGTACCTGTCATCTGATCTGCTGTGTTTCTTG 630
QY 548 agaatcttctgtagaggaatatagtgagcgaagctgtgtggaacttccagctccattcc 607
Db 631 AGGAACATTCATGCTG---ATTAGACTTTAAGGGCACACAGTGTCCAAACCTTCTCC 687
QY 608 tatgtacctgtgctatgagagagactaacagagaaatgaccccttctggaagaatataa 667
Db 688 TATATTCCTAGATTACTACGACCAATTCAGACACATGACATTCCTGCAAGGGGTACAG 747
QY 668 aatcaatgcttcaagcttctgttccacttctgtagtcaagattacagactacattttg 727
Db 748 AA---CATGCTTACCTCTGCGGCTGCTTACCTTGGCATGCTGTTTGTGCTCTTAT 804
QY 728 gaagagtttatagttaagcattagaagggccactacattatgtgagctgtgtgaa 787
Db 805 GCAAGCCTTGCTGCTGCTGCTTTTTCAGAGAGAGGTGTGAGTGTGATCTGTGACGCAT 864
QY 788 gctgagatagtgcttaataagaacatattgagatttgaatttctcaacatccaacct 847
Db 865 GCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 924
QY 848 aacttgaatttctgtagagagctgacatgtaaacctgccaagctttgctcaagg 902
Db 925 AACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 979

RESULT 6
PCT-US92-00282-16
; Sequence 16, Application PC/TUS9200282
; GENERAL INFORMATION:
; APPLICANT: OWENS, IDA S.
; APPLICANT: RITTER, JOSEPH K.
; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
; STREET: 1615 L STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036-5601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/00282
; FILING DATE: 19920110
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: SCOTT, WATSON T.
; REGISTRATION NUMBER: 26581
; REFERENCE/DOCKET NUMBER: 91532-PCT

TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861-3000
; TELEFAX: 202-822-0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1448 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEtical: YES
PCT-US92-00282-16

Query Match 2.3%; Score 62.4; DB 5; Length 1448;
Best Local Similarity 48.5%; Pred. No. 7.7e-06;
Matches 233; Conservative 0; Mismatches 241; Indels 6; Gaps 2;

QY 398 ttaaaatgatgtgtgagagcttattatcaatcagacgcttataagaagctacagaa 457
Db 475 TTTCTATGCTGCTTGTGTGAGCTACTGCAATATGAGGCCCTGATCAGGCACTGAATGCT 534
QY 458 accaactcagatgtaagctatagacctgtgattccctgtgtgagaccgtgagctgag 517
Db 535 ACTTCTTCATGCTGCTTTTAAATGACCAATTTACCTCTGTGTGGGCGAGTGTGCTAAG 594
QY 518 ttgcttgcagcttcttctgtgtcactagaattctgtlaagaggaatataagaagcga 577
Db 595 TACCTATCAATTCCTGCTGCTTTTGTGAGAACATTCATGCTG---ATTAGACTTT 651
QY 578 agctgtgtggaacttccagctccacttccatgtaccctgtgtcctatgagaagaactaca 637
Db 652 AAGGGCACAGATGCTCCAAATCTCTCTCTATTTCTTAAGTTACATGACCAATTTCA 711
QY 638 gacagaaatgaccttctgtggaagaagataaataatcaatgcttccagcttcttccacttc 697
Db 712 GACCACTGACATTCCTGCAAGGGGTACAGAA---CATGCTTACCTGCTGCTGCTGCTGCT 768
QY 698 tgaattcaagattacagactacatttctgtggaagatttataagtagcattagaag 757
Db 769 TACCTTGGCATGCTGCTTGTGCTGCTTATGCAAGCCTTGCTGAGCTTTTTCAGAG 828
QY 758 cccactacattatgtgagactgtgtggaagaagctgagataatgcttaacagaacatattg 817
Db 829 GAGGTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 888
QY 818 gatttgaatttctcaacacatccaactcaacttgaattgtgtgtgagagattgacatgt 877
Db 889 GTGATGATTAACCCAGGCGGATCATGCCCAACATGCTTTCATTTGGGGGATCACTGT 948

RESULT 7
PCT-US92-00282-14
; Sequence 14, Application PC/TUS9200282
; GENERAL INFORMATION:
; APPLICANT: OWENS, IDA S.
; APPLICANT: RITTER, JOSEPH K.
; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
; STREET: 1615 L STREET, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036-5601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25


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Db      15808 ATTATTTTAAATAAATAAATAAATAAATAAATAATTAAATTAATAAATAAATAAATAAT 15867
Oy      2451 aatgatgatactactaaattccttacctataatcaagaataaattacgttagaaaaa 2510
Db      15868 AAATAAAAAAATTTTAAATTAATAAATAAATAAATAAATAATTAAATAATTAAGAATAAAAAAA 15927
Oy      2511 taagagagtgcctgttcggaaagtaaaaaaaaaaaaaaaaaaacacgtcatgccytta 2570
Db      15928 TAAAAAAATTTAAATTAATAAATAAATAAATAAATAAATAATTAAATACATGACATATACATA 15987
Oy      2571 ccta 2574
Db      15988 CATA 15991

RESULT          9
PCT-US92-00282-18
Sequence 18, Application PC/TUS9200282
GENERAL INFORMATION:
APPLICANT: OWENS, IDA S.
APPLICANT: RITTER, JOSEPH K.
TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
TITLE OF INVENTION: THEREIN.
NUMBER OF SEQUENCE: 40
CORRESPONDENCE ADDRESSES:
ADDRESS: CUSHMAN DARBY & CUSHMAN
STREET: 1615 L STREET, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/00282
FILING DATE: 19920110
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, WATSON T.
REGISTRATION NUMBER: 26581
REFERENCE/DOCKET NUMBER: 91532-PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 671462Z CUSH
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 1190 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PCT-US92-00282-18

Query Match           2.0%   Score 55.4; DB 5; Length 1190;
Best Local Similarity 45.9%; Pred. No. 0.00033;
Matches 271; Conservative 0; Mismatches 311; Indels 9; Gaps 22
Oy      106 tgggaagtcctcggtgttgccctgygaactgagccatgagcctaattgtaaggtactct 165
Db      165 TGCGAAGTACTGTTGATCCCGTAGTGATGGCACGCCACTGCTGAGCATGCTTGGGGCAT 224
Oy      166 agaagagctcatagtggagaggccatgaggttaaacaaglatgactcaactcaaaagccttgt 225
Db      225 CCAGCAGCTGCACGACAGAGGGGACATGAATAAGTTGTCCTAGCACCGTGAAGCCTCGTTGA 284
Oy      226 aattgctacacaggaagccttcgtgcatltgaattttgaagtgtgtccatatgcccacagaag 285
Db      285 CATCGACAGCAGGACATTTTACACCCTTGA-----AGAGGTACCCCTGTGCCAATCCAAAG 338

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Oy 286 aacagagaanaatgaaataatttgttgaccagctctgaatgcttgcttgccagcttatcaac 345
 Db 339 GGAGGATGCTGAAAGAGCTCTTTTGTGTAATCTCGGGCAATAAGTTTTGAGATGATCTTTT 398
 Oy 346 ctggcaatcagtttaataataatgatttttgttgtaataagagaacttaataat 405
 Db 399 CCTGCAGCGTGTGATCAAAACATATCAAGAAATATAAAAAGACTCTGCTTTTGTCT 458
 Oy 406 gatgtgtgagagcttatactataatcagagcgtatgaagaagctacaggaataccaacta 465
 Db 459 TGGCGTTCCCACTTACGTGACCAACAGGAGGATGATGGCCCTCCCTGCGCAAAAGACGTT 518
 Oy 466 cgaatgaatgcttatagaccctgtgattccctctgtgagagactgatgtctgaattgttcg 525
 Db 519 TGATGCTATGCTGACGGAGACCTTTTCCCTTCTTGACGGCCCATGCTGGCCACGATCTGTC 578
 Oy 526 agtccctttgtgtcacaacttagaatctctgttagagggcaataatgagcgaagctgtgg 585
 Db 579 TCTGCCCACTTATTTCTTTTGGC---ATGCACGTCCCATATGCAGCTGGAATTTGAGGGTAC 635
 Oy 586 gaaacttcagctcaacttctctatgtctatgactgctgtgctatgacagagactaacagacagat 645
 Db 636 CCAGTGGCCCCAACCCATTTCTCTCACTGCGCCAGGCGCTCTCCCTCATTCAGATCATCAT 695
 Oy 646 gaccttcttgagaagaagtaaaaaattcaagctcttgacttgattgttccaact 696
 Db 696 GACCTTCTCTGACGGCGGTGAAGAACATGCTTATTTGCCCTTTTACAGAACTT 746

```

10 RESULT
11 PCT-US92-00282-20
12 ; Sequence 20, Application PC/TUS9200282
13 ; GENERAL INFORMATION:
14 APPLICANT: OWENS, IDA S.
15 APPLICANT: RITTER, JOSEPH K.
16 TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
17 TITLE OF INVENTION: THEREIN.
18 NUMBER OF SEQUENCES: 40
19 CORRESPONDENCE ADDRESS:
20 ADDRESSEE: CUSHMAN DARBY & CUSHMAN
21 STREET: 1615 L STREET, N.W.
22 CITY: WASHINGTON
23 STATE: D.C.
24 COUNTRY: U.S.A.
25 ZIP: 20036-5601
26 COMPUTER READABLE FORM:
27 MEDIUM TYPE: Floppy disk
28 COMPUTER: IBM PC compatible
29 OPERATING SYSTEM: PC-DOS/MS-DOS
30 SOFTWARE: PatentIn Release #1.0, Version #1.25
31 CURRENT APPLICATION DATA:
32 APPLICATION NUMBER: PCT/US92/00282
33 FILING DATE: 19920110
34 CLASSIFICATION: 435
35 ATTORNEY/AGENT INFORMATION:
36 NAME: SCOTT, WATSON T.
37 REGISTRATION NUMBER: 26581
38 REFERENCE/DOCKET NUMBER: 91532-PCT
39 TELECOMMUNICATION INFORMATION:
40 TELEPHONE: 202-861-3000
41 TELEFAX: 202-822-0944
42 TELEX: 6714627 CUSH
43 INFORMATION FOR SEQ ID NO: 20:
44 SEQUENCE CHARACTERISTICS:
45 LENGTH: 513 base pairs
46 TYPE: NUCLEIC ACID
47 STRANDEDNESS: single
48 TOPOLOGY: linear
49 MOLECULE TYPE: CDNA
50 PCT-US92-00282-20

```

Query Match	1.9%;	Score 53.8;	DB 1;	Length 5852
Best Local Similarity	48.8%;	Pred. No. 0.0014;		

QY 410 tgttgagacctatctacaatcagagcgttataagaagctacaggaaccaactacgt 465
|||||
612 TGTGTGGAGCTACTGCATTAATGAGGCCCTGATCAGGCACTGAATGCTACTTCCATTGAT 671
|||||


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QY 470 gtaatgctatagaccctgtgattccctgtgagaccctgagtgcgtgcttgcagtc 529
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 672 GTGGTTTAAACACACCCCTTAACCTGTGGGCGGTGGCTAAGTACGTGTGATT 731
QY 530 cctttgtctcacttgaattctctgtagagagcaataatgagaaagcgttgagaa 589
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 732 CCGCTGTGTTTTTTGGAGGTACATTCCATGTGAC----TTAGACTTTAAGCCATACA 787
QY 590 cttccagctccacttctcactgtacctgtgctatgacagagactaacagagatgacc 649
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 788 GGTCTAAATTCCTTCCCTATATTTCTAAGTTACTAAGCAATTCAGACCAATGACA 847
QY 650 ttcttgaaagagtaaaaattcaatgcttccagtttcttccacttcgtatcagat 709
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Db 848 TTCTCTCAAAAGGTCAAGAAC--ATGCTCTTACCCTGTGCGCTGTCTTCAATTTGGCAT 904
QY 710 taagactatcaatttttggaagagctttatagtaagcatttaggaagagccactacatla 769
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Db 905 ACTTTTTCGCCCTTATGCAAGTCTTGCCCTGTGACCTTTTTCAGAGAGAGGTGTGACTG 964
QY 770 tctgagactgtggaagagctgagatatgctataatagcaacatattggaatttgaatt 839
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 965 GTGGATCTGTGTAGTATGATCGGTGTGCTGTCCGAGGGAGCTTTGTGATGAGACTAC 1024
QY 830 cctcaaccatacacaacttaacttgaattgttcttggaagagatgacatgtaacctgcaaa 889
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Db 1025 CCCAGGCCCATCATGCCCCAACATGCTTCATTGTTGGGGCATCAACTGTGCCAACGGGAG 1084
QY 890 gcttgccctaag 902
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Db 1085 CCACATATCTCAG 1097
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RESULT 13
5180581-1
; Patent No. 5180581
; APPLICANT: MILLER, LOIS K.; O'REILLY, DAVID R.
; TITLE OF INVENTION: BIOLOGICAL INSECT CONTROL AGENTS AND
; METHODS OF USE
; NUMBER OF SEQUENCES: 2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/373,952
; FILING DATE: 29-JUN-1989
; SEQ ID NO: 1
; LENGTH: 1800
5180581-1
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Query Match 1.8%; Score 50.6; DB 6; Length 1800;
Best Local Similarity 49.1%; Pred. No. 0.0052;
Matches 134; Conservative 0; Mismatches 139; Indels 0; Gaps 0;
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QY 1047 acaagaagaaanaaacatccacatagtagagccaataactcgcgctgtatgattgataccccc 1106
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Db 1143 aagaagtagtaanaaaacataaagttgcgcgcaagtaatacaagcaaaattgttataatc 1202

QY 1107 agaataatcttcttggctatccccaacaaagcctttatcacatcattggtgaatg 1166
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Db 1203 aagcgccgtgtcgtcgtataaaaaaattgctggtttatlaagcaagcgagactaataat 1262

QY 1167 ggaatcctatgaagctattacacatgaggtccctatggtggaagttcccatattggtatc 1226
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Db 1263 cgaagcagcagagccttgaagccggagatacccatggtgtctgcctcatgattgagcagcc 1322

QY 1227 agcttgaataacatagctcacatgaagccaaagagcagctgtagaataaacttaaaaa 1286
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Db 1323 agcttgaataacatagctcacatgaagccaaagagcagctgtagaataaacttaaaaa 1286

QY 1287 ctatgacaagcgaagattactagaggtcttga 1319
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Db 1383 cagttccagcagataactactagttgagataa 1415

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RESULT 14
US-08-281-916-5
; Sequence 5, Application US/08281916
; Patent No. 5662897
; GENERAL INFORMATION:
; APPLICANT: MILLER, LOIS K.
; APPLICANT: BLACK, BRUCE C.
; APPLICANT: DIERKS, PETER M.
; APPLICANT: FLEMING, NANCY C.
; APPLICANT: AHMED, FAKHRUDDIN
; TITLE OF INVENTION: Insect Viruses, Sequences, Insecticidal
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Greenlee and Winner, P.C.
; STREET: 5370 Manhattan Circle, Suite 201
; CITY: Boulder
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/281,916
; FILING DATE: 27-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferber, Donna M.
; REGISTRATION NUMBER: 33,878
; REFERENCE/DOCKET NUMBER: 29-94
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 499-8080
; TELEFAX: (303) 499-8089
; TELEX: 49617824
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2793 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
US-08-281-916-5
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Query Match 1.8%; Score 50.6; DB 1; Length 2793;
Best Local Similarity 49.1%; Pred. No. 0.0061;
Matches 134; Conservative 0; Mismatches 139; Indels 0; Gaps 0;
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QY 1047 acaagaagaaanaaacatccacatagtagagccaataactcgcgctgtatgattgataccccc 1106
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Db 1143 ACGAAGTAGTAANAACATACGTGCGCCCAACGTAATCAGCAAAATTTGGTTATTC 1202

QY 1107 agaataatcttcttggctatccccaacaaagcctttatcacatcattggtgaatg 1166
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Db 1203 AAGCGCGCGTGTGCTGCTATTAATAAATGCGCGGCTTTATTAAGCAAGCGGACTACAT 1262

QY 1167 ggaatcctatgaagctattacacatgaggtccctatggtggaagttcccatattggtatc 1226
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Db 1263 CGAGCGAGCGAGCCTTGGAAAGCCGGGATPACCATGAGTGTGCTGCCATGATGAGGAGCC 1322

QY 1227 agcttgaataacatagctcacatgaagccaaagagcagctgtagaataaacttaaaaa 1286
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Db 1323 AGTTTACATGCGCACAAATTAACAGCAACTCGCGCTGAGCCCGCTTGACACTGTTA 1382

QY 1287 ctatgacaagcgaagattactagaggtcttga 1319
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Db 1383 CCGTTTCCAGCATCAACTACTAGTGTGCGATTA 1415

RESULT 15
US-08-460-725-7
Sequence 7, Application US/08460725
Patent No. 5858353

GENERAL INFORMATION:

APPLICANT: Miller, Lois K.
APPLICANT: Black, Bruce C.
APPLICANT: Dierks, Peter M.
APPLICANT: Fleming, Nancy C.
APPLICANT: Ahmed, Fakhrudin
TITLE OF INVENTION: Insect Viruses, Sequences, Insecticidal
TITLE OF INVENTION: Compositions and Methods
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee and Winner, P.C.
STREET: 5370 Manhattan Circle, Suite 201
CITY: Boulder
STATE: Colorado
COUNTRY: USA
ZIP: 80303

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,725
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/281,916
FILING DATE: 27-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Feiber, Donna M.
REGISTRATION NUMBER: 33,878
REFERENCE/DOCKET NUMBER: 29-94A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
TELEX: 49617824
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2793 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
US-08-460-725-7

Query Match 1.8%; Score 50.6; DB 2; Length 2793;
Best Local Similarity 49.1%; Pred.No. 0.0061;
Matches 134; Conservative 0; Mismatches 139; Indels 0; Gaps 0;

QY 1047 acaaaaggaagaaacacatccatagagccaatcctgcgtatgatgataccccc 1106
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QY 1107 agaattgattcttggtatcccaaaacgaagctttatcactcattggtgaatg 1166
DB 1203 AACGGCCGCTGCTGCTATTAATAAAATGCGCTTATTACGCAAGCGGACTACAAAT 1262
QY 1167 ggaattatgaagctattaccatgggtccctatgtagtgagttccatattgtgac 1226
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DB 1383 CCGTTCCAGCATCACTACTAGTGGGATNA 1415

Search completed: August 13, 2001, 12:24:14
Job time: 6495 sec

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